

Instructions

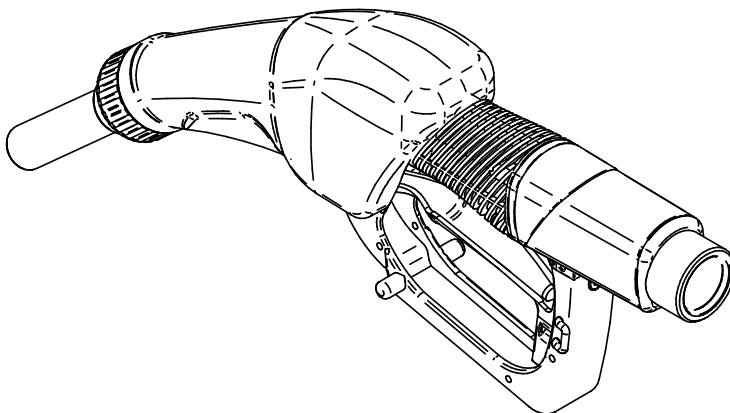


**AUTOMATIC SHUT-OFF NOZZLE FOR
DIESEL EXHAUST FLUID (DEF) (ISO 22241)**

**333468A
EN • FR • ES**

**NOT APPROVED FOR USE IN EXPLOSIVE
ATMOSPHERES OR HAZARDOUS LOCATIONS**

**MODEL 127649
MAX WPR 345 kPa (3.4 bar) (50 psi)**



Important Safety Instructions

**Read all warnings and instructions in this manual.
Save these instructions**

PROVEN QUALITY. LEADING TECHNOLOGY.

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A GENERAL WARNINGS

Important precautions

Symbols used in the manual



Manual preservation

Reproduction rights

To ensure operator safety and to protect the pump from potential damage, workers must be fully acquainted with this instruction manual before performing any operation.

The following symbols will be used throughout the manual to highlight safety information and precautions of particular importance:

WARNING

This symbol indicates safe working practices for operators and/or potentially exposed persons.

NOTICE

This symbol indicates that there is risk of damage to the equipment and/or its components.

NOTE

This symbol indicates useful information.

This manual should be complete and legible throughout. It should remain available to end users and specialist installation and maintenance technicians for consultation at any time.

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B FIRST AID RULES

Contact with the fluid

WARNING



In the event of problems developing following EYE/SKIN CONTACT, INHALATION or INGESTION of the treated product, please refer to the SAFETY DATA SHEET of the fluid handled.

EQUIPMENT MISUSE HAZARD

Keep the product to be dispensed away from eyes and skin

Keep the product to be dispensed out of reach of children



The nozzle must only be used for the purposes for which it was designed


Using unsuitable component parts and materials could be hazardous


Not checking correct part installation could be hazardous.

B.1 WARNINGS

The following warnings are for the setup, use, grounding, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbols refer to procedure-specific risks. When these symbols appear in the body of this manual or on warning labels, refer back to these Warnings. Product-specific hazard symbols and warnings not covered in this section may appear throughout the body of this manual where applicable.

 WARNING		
EQUIPMENT MISUSE 	Misuse can cause death or serious injury	<p>Do not operate the unit when fatigued or under the influence of drugs or alcohol.</p> <p>Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See Technical Data in all equipment manuals.</p> <p>Use fluids and solvents that are compatible with equipment wetted parts. See Technical Data in all equipment manuals. Read fluid and solvent manufacturer's warnings. For complete information about your material, request MSDS from distributor or retailer.</p> <p>Do not leave the work area while equipment is energized or under pressure.</p> <p>Turn off all equipment when equipment is not in use.</p> <p>Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer's replacement parts only.</p> <p>Do not alter or modify equipment. Alterations or modifications may void agency approvals and create safety hazards.</p> <p>Make sure all equipment is rated and approved for the environment in which you are using it.</p> <p>Use equipment only for its intended purpose. Call your distributor for information.</p> <p>Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.</p> <p>Do not kink or over bend hoses or use hoses to pull equipment.</p> <p>Keep children and animals away from work area.</p> <p>Comply with all applicable safety regulations.</p>

Toxic Fluid or Fumes Hazard 	Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.	<p>Read MSDS's to know the specific hazards of the fluids you are using.</p> <p>Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.</p> <p>Prolonged contact with the treated product may cause skin irritation: always wear protective gloves during dispensing.</p>
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Personal Protective Equipment	Wear appropriate protective equipment when in the work area to help prevent serious injury, including eye injury, hearing loss, inhalation of toxic fumes, and burns.	This equipment includes but is not limited to: Protective eyewear, safety shoes, close-fitting clothing and hearing protection. Respirators, protective clothing, and gloves as recommended by the fluid and solvent manufacturer.
    	Wear protective equipment that is suited to the operations that need to be performed and resistant to cleaning products.	

C THE DISPENSING NOZZLE

FOREWORD



DISPENSER NOZZLE FEATURING AUTOMATIC STOP DEVICE, MADE OF NON-CONDUCTIVE PLASTIC AND DESIGNED TO BE USED WITH WATER/UREA SOLUTION (DEF, AUS32). ALSO COMPATIBLE WITH WATER

C.1 INTENDED USE

P.N. 127649

WATER/UREA SOLUTION - D.E.F. - AUS 32, ACCORDING TO DIN 70070

WATER

CONDITIONS
OF USE AND
ENVIRONMENTAL
CONDITIONS

Refer to the product technical data

D TECHNICAL DATA

Part number	Min. flow-rate	Max flow-rate	Pressure loss at 35 l/min (9.3 gpm)	Inlet thread with swivel	External diameter hose-end fitting	Max operating pressure	Weight
127649	15 l/min 4 gpm	45 l/min 12 gpm	0.9 bar 13 psi	1" GAS 1" BSP	20 mm .787 inc	3.5 bar 50 psi	0.6 Kg 1.3 lb

NOTE



The wetted materials used in this device are : stainless steel, plastic and rubber suitable for AdBlue.

E INSTALLATION

FOREWORD



The automatic nozzles are supplied ready for use. The nozzle features SWIVEL hose-end fitting (complete with O-ring) useful for connecting to the supply hose.

TO ENSURE PERFECT OPERATION, THE DEVICE MUST BE USED TO DISPENSE FLUIDS WITH CHARACTERISTICS FALLING WITHIN THE FOLLOWING PARAMETERS:

- Qmin : 15 l/min / 4 gpm - Qmax: 45 l/min / 12 gpm
- Pmin. : 1,5 bar / 22 psi - - Pmax: 3,5 bar / 50 psi

NOTICE



During installation, use adequate sealants, being careful no residues remain inside the hose.

So as not to negatively affect product operation, couple the hose-end fitting with the hose without using tools such as pliers, etc.

Assembly will be easier if the swivel hose-end fitting is already fitted on the nozzle.

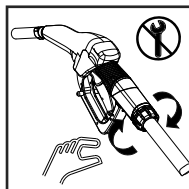
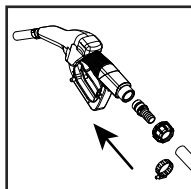
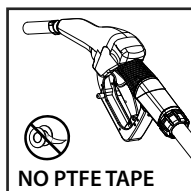
Make sure the hoses and the suction tank are without threading scale or residues which could damage the nozzle and the accessories.

NOTICE



Apply adequate sealants on the male threads of the connections and swivels

Do not use PTFE tape



F MODES OF OPERATION

FOREWORD



The main feature of these nozzles is that they are easy to use.

Two operating modes are available:

1

ASSISTED MODE

Dispense by operating the nozzle lever. To interrupt dispensing manually, release the lever.

2

AUTOMATIC MODE

Use the opening lever lock device for automatic dispensing.

To continue dispensing after automatic stop, the lever must be fully released before proceeding to operate it again.

To interrupt dispensing in manual mode, press the lever again, thereby releasing the device, and then release.

NOTICE



Do not use the nozzle outside the parameters indicated on the "technical specifications" chart

NOTE



Dispensing is automatically interrupted due to the shut-off device, which operates when the level of the liquid reaches the end of the spout.

G PREVENTION MISFILLING (optional)

PREMISE



Refuelling with the nozzle equipped with "magnet switch" is only possible in combination with the "magnet adapter", so misfuelling into tanks is made impossible


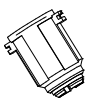
OPERATION

The "magnet switch" is a fixed magnetic field within the filler necks of the nozzle. This opens the magnet switch in the spout, so it is only possible to dispense from the tank where the magnet adaptor is installed.

NOTICE



Nozzles equipped with "magnet switch" work only in combination with the "magnet adapter". The "magnet adapter" is an optional to be bought separately.

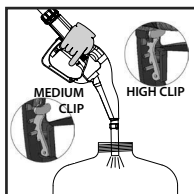
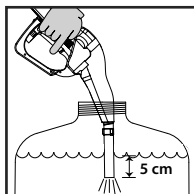
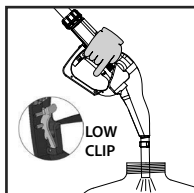
PART NUMBER	DESCRIPTION	PICTURE
127652	Magnet switch misfil spout	
127654	Magnet adapter misfil adapter (installs into DN40 filler necks only)	

H PRELIMINARY CHECK

NOTICE



Check the correct operation of the lock device, according to the following procedure:



- 1 Take a graduated receptacle with a capacity of 20 litres (5 gal)
- 2 Begin dispensing into the receptacle, setting the lever in the minimum flow position, until the receptacle is full.
- 3 Keeping the lever open, make sure the spout is submerged by about 5 cm (2 inches).
- 4 The nozzle must stop, with a click of the lever.
- 5 Repeat the same operations with the lever in medium-flow and maximum-flow position. Check the correct operation of the stop device as described above.
- 6 If the nozzle stops during dispensing, check and reduce the flow.
- 7 If the dispensing stop device fails to operate, replace the nozzle.

I INITIAL START UP

FOREWORD

Only start dispensing after making sure that assembly and installation have been correctly performed.

WARNING



TOXIC FLUID OR FUMES HAZARD

The faulty operation of this device could cause the spill of liquids that are hazardous for people and the environment.

NOTICE



It is a good practice to only operate the nozzle lever after making sure the spout has been properly inserted in the mouth of the tank to be filled.

NOTICE



When using for the first time and every time the nozzle is used, following the connection of the supply hose, gently operate the lever to enable the air to escape from the circuit, until normal operation is achieved.

NOTICE



Check the correct operation of the automatic stop device once the tank is full.

NOTICE



Keep fresh water in nozzle path to prevent DEF crystals from forming on nozzle end. The nozzle automatic cut off may fail if crystallization plugs the nozzle orifice. The nozzle tip must be submerged in water when the nozzle is holstered.

J MAINTENANCE

1

PERIODICALLY CHECK THE CORRECT OPERATION OF THE AUTOMATIC STOP DEVICE

2

IF FITTED, IT IS BEST TO PERIODICALLY CHECK THE FILTER AND CLEAN IT EVERY 1000 LITRES OF TRANSFER.

3

PERIODICALLY CHECK THE TIGHTNESS OF THE CONNECTIONS

K MALFUNCTIONS

FOREWORD

THE POSSIBLE CAUSES OF MALFUNCTION ARE MAINLY ATTRIBUTABLE TO THREE FACTORS:

1

NOZZLE DIRTY IN INNER HOLE OF LIP AT END OF SPOUT

2

OPERATING PRESSURE OF LIQUID TO BE DISPENSED BELOW 0.5 bar OR ABOVE 3.5 bar

3

FLOW RATE TOO LOW OR TOO HIGH

NOTICE



Correct and regular maintenance of the nozzle and of the system to which it is connected prevents malfunctions and possible accidental spills of hazardous liquids.

L DEMOLITION AND DISPOSAL

Foreword

If the system needs to be disposed, the parts which make it up must be delivered to companies that specialize in the recycling and disposal of industrial waste and, in particular:

Disposal of packing materials

The packaging consists of biodegradable cardboard which can be delivered to companies for normal recycling of cellulose.

Disposal of metal parts

Metal parts, whether paint-finished or in stainless steel, can be consigned to scrap metal collectors.

Disposal of electric and electronic components

These must be disposed of by companies that specialize in the disposal of electronic components, in accordance with the indications of directive 2002/96/CE (see text of directive below).



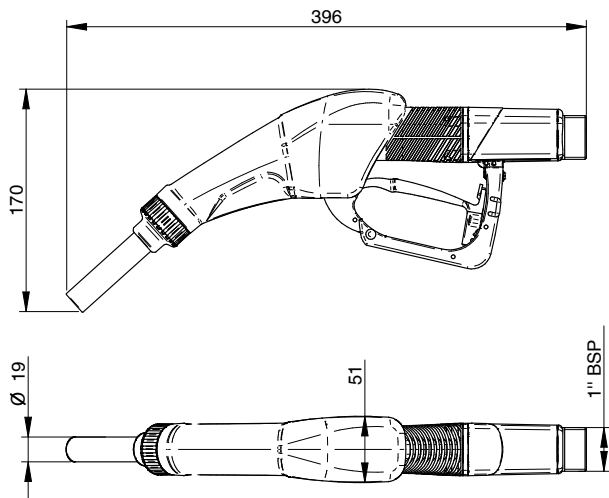
Information regarding the environment for clients residing within the European Union

Disposal of miscellaneous parts

European Directive 2002/96/EC requires that all equipment marked with this symbol on the product and/or packaging not be disposed of together with non-differentiated urban waste. The symbol indicates that this product must not be disposed of together with normal household waste. It is the responsibility of the owner to dispose of these products as well as other electric or electronic equipment by means of the specific refuse collection structures indicated by the government or the local governing authorities.

Other components, such as pipes, rubber gaskets, plastic parts and wires, must be disposed of by companies specialising in the disposal of industrial waste.

M DIMENSIONS



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Graco Extended Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twenty-four months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

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TO PLACE AN ORDER, contact your Graco distributor or call to identify the nearest distributor.

Phone: 612-623-6928 or **Toll Free:** 1-800-533-9655, **Fax:** 612-378-3590

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